



MI-CW2007

Michigan Crop Weather

May 21, 2007

Scattered Frost

Four days were suitable for fieldwork during the week ending May 20, according to the USDA, NASS, Michigan Field Office. Precipitation amounts ranged from 0.26 inches in the western Upper Peninsula to 1.01 inches in the eastern Upper Peninsula and in the east central Lower Peninsula. Average temperatures ranged from 3 degrees below normal in the northwest Lower Peninsula to normal in the central Lower Peninsula. The cooler weather slowed emergence; some frost was noted but little damage was reported. A farmer in the northwest mentioned that, "This past week was much cooler. Not many crops were planted and what is in the ground is slow to emerge." Another farmer in the southwest said that, "Planting progress is behind the last two years but not a major concern at this time. We should recover from the light frost that occurred towards the end of last week and everyone should be able to get planting done on time."

Field Crops

Cooler temperatures and precipitation during the week hindered field activities in some areas across the State. **Corn** planting continued. **Soybean** planting moved into high gear, and early planted beans began to emerge. **Alfalfa** growth continued. Alfalfa weevil feeding continued with some damage present in southern areas. The **winter wheat** crop continued to progress. **Sugarbeets** began to emerge.

Fruit

Apple bloom was ending in the southwest. In the southeast, apples were at late petal fall to fruit set. In the central areas, apples were at full bloom to petal fall. Northwestern apples were in bloom. **Blueberries** were in full bloom across the State. Bees were very active in the southwest. The first mummy berry shoot strikes were found. **Peaches** were out of the shuck, and fruit were up to 14 mm in diameter in the southwest. Most peaches in the southeast and central areas were in shuck to beginning of shuck split. **Pear** fruit were 10 mm in diameter in the southwest. In the southeast, pears were at fruit set. In the central and northwest areas, pears were at petal fall to small fruit. **Plum** development ranged from petal fall in the northwest to 12 mm in diameter in the southwest. **Sweet and tart cherries** were 10 to 12 mm in size in the southwest. In the northwest, sweet cherries were at shuck split, while tart cherries were at petal fall. Concord, Vinifera, and French hybrid **grape** shoots in the southwest grew to 10, 6, and 8 inches long, respectively. In the southeast, grape shoots were 5 inches in length with flower buds starting to be visible. Chardonnay grape shoots in the northwest grew to 3 inches.

Vegetables

Timely rains continued to provide needed moisture but also allowed growers time to seed and transplant vegetables. **Carrot** planting was mostly complete with good emergence. **Asparagus** yields have been average but excellent in quality. New plantings continued. **Celery** planting continued on schedule. Many of the early plantings have been uncovered and growth was good. **Cabbage** and **cole crops** were established with good growth. Disease and insect pressures remained light. **Potato** planting continued, slightly behind last year. Early **sweet corn** planting was completed. Planting for the late season fresh market continued. Growth of **tomatoes**, **yellow squash**, **zucchini**, and **cucumbers** has been excellent in and out of the tunnels. A report from the southeast mentioned frost damage was mostly limited to foliar damage. **Onion** planting on muck fields was nearly complete with good growth. In the southeast, seeded onion were emerging and transplants were getting established.

Soil moisture for week ending 05/20/07

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	2	9	70	19
Subsoil	1	7	77	15

Crop condition for week ending 05/20/07

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	1	9	27	48	15
Corn	0	1	17	58	24
Oats	0	2	24	65	9
Pasture	1	5	26	48	20
Winter Wheat	1	5	26	49	19

Crop progress for week ending 05/20/07

Crop	This week	Last week	Last year	5-year average
	Percent	Percent	Percent	Percent
Asparagus, harvested	42	28	39	37
Barley, planted	92	72	85	80
Barley, emerged	68	34	69	56
Corn, planted	80	60	84	68
Corn, emerged	40	14	49	31
Oats, planted	95	90	99	94
Oats, emerged	75	55	92	82
Potatoes, planted	58	40	66	NA
Potatoes, emerged	25	4	32	NA
Soybeans, planted	36	19	56	40
Soybeans, emerged	9	1	15	11

Michigan Weather Summary for Week Ending 05/20/07¹

Station	Temperature			Cumulative growing degree days ²			Precipitation					
	Maximum	Minimum	Departure from normal	2007	2006	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
									Since April 1	For month		
Ironwood	84	30	Western UP	274	255	204	0.30	0.73	0.78	2.95	4.32	3.37
Marquette	76	30		227	210		0.39	1.35	1.45	6.39		
Stephenson	82	28		289	292		0.34	0.47	0.56	1.99		
Western UP	89	28		264	224		0.26	0.75	0.80	2.78		
Cornell	79	32	Eastern UP	255	252	130	0.11	0.77	1.20	1.89	4.43	3.01
Sault St Marie	69	33		228	221		1.88	2.02	2.30	3.63		
Eastern UP	79	29		222	227		1.01	1.71	2.04	4.52		
Beulah	80	36		292	313		0.33	0.99	2.30	3.94		
Lake City	77	32	Northwest	275	298	245	0.42	1.69	2.97	5.02	4.36	2.61
Old Mission	80	33		258	289		0.84	0.97	1.70	2.42		
Pellston	79	29		286	287		0.30	0.95	1.47	2.33		
Northwest	80	29		266	281		0.57	1.19	2.16	3.40		
Alpena	76	32	Northeast	269	273	228	0.45	1.07	2.79	4.88	4.40	2.76
Houghton Lake	77	33		301	311		0.72	1.69	3.29	4.83		
Rogers City	78	33		277	264		0.73	1.65	2.88	4.52		
Northeast	79	29		286	298		0.73	1.63	2.95	4.81		
Fremont	82	34	West Central	343	335	285	0.14	0.58	2.77	6.19	4.86	2.67
Hart	81	31		314	301		0.49	0.83	2.93	4.46		
Muskegon	81	35		329	297		0.24	1.01	2.64	5.38		
West Central	84	29		328	320		0.36	0.78	2.79	5.39		
Alma	82	36	Central	361	373	314	0.72	2.09	4.15	5.90	4.91	2.79
Big Rapids	82	33		340	333		0.52	1.33	2.62	4.20		
Central	83	33		346	347		0.52	1.35	2.93	4.83		
Bad Axe	82	34		263	315		0.87	1.63	2.55	4.52		
Pigeon	80	36	East Central	254	320	298	1.49	1.90	2.94	4.77	4.27	2.63
Saginaw	83	36		338	329		0.83	1.67	2.90	5.11		
Standish	79	30		314	337		1.38	1.81	3.13	5.60		
East Central	83	29		280	330		1.01	1.68	2.89	4.96		
Fennville	83	33	Southwest	343	306	342	0.54	0.91	3.09	5.22	5.35	3.01
Grand Rapids	85	36		391	351		0.28	0.62	2.51	4.87		
Holland	79	37		402	341		0.43	0.45	3.07	5.36		
South Bend, IN	89	36		453	371		0.69	0.69	3.76	5.17		
Watervliet	84	36	South Central	389	351	342	0.51	0.90	3.04	4.86	5.12	2.92
Southwest	89	33		391	347		0.59	0.89	3.13	5.14		
Belding	83	38		352	335		0.21	0.51	1.70	4.11		
Coldwater	83	35		372	343		0.70	1.37	3.16	4.72		
Lansing	82	33	South Central	363	353	342	0.88	1.83	3.87	5.14	5.12	2.92
South Central	87	33		365	371		0.61	1.29	3.18	4.93		
Detroit	88	41		398	395		0.79	1.46	3.57	4.34	5.07	2.85
Flint	84	32		357	339		0.99	3.17	5.04	6.25		
Romeo	86	33	Southeast	335	364	325	1.74	3.33	5.56	6.52		
Tipton	86	36		386	375		0.77	2.89	4.80	5.80		
Toledo, OH	89	38		424	417		0.38	3.24	5.99	6.88		
Southeast	89	30		367	380		0.80	2.15	4.02	4.94		

¹ Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University's Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

² Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.